

Amendments to the Abstract:

Please amend the abstract as follows:

~~The invention relates to a~~ A method for estimating the quantity of CO₂ present in a geologic formation ~~(20) comprising the following and a device for implementing the~~ method include the steps:

~~—said of penetrating the~~ formation is ~~penetrated~~ by a well ~~(10)~~ drilled from the surface;

~~—said contacting~~ formation is ~~contacted~~ with a fluid that travels from the formation to the surface;

~~—sampling~~ a given quantity of return fluid is ~~sampled~~ at the surface and ~~transferred~~ transferring it to a cell ~~(5)~~,

~~—ensuring~~ the pH of ~~said the~~ quantity of fluid ~~is measured~~,

~~—adding~~ a given quantity of product acidifying the fluid ~~is added~~ to adjust the pH to a value of less than 4,

~~—and measuring~~ the CO₂ level of the gas in the cell ~~is measured~~ after the acidification step.

~~The invention also relates to a device for implementing the method.~~